STATE OF ALASKA
DEPARTMENT OF FISH AND GAME
PRIVATE NONPROFIT PROGRAM

I. *INDENTIFICATION OF APPLICANT*

A. Applicant Information

John R. Oliva		Kake Non Profit Fisheries Corporation (KNFC)
Applicant Name		Organization
PO Box 523		907-785-6460
Address		Phone Number
Kake	Alaska	99830
City	State	Zip

B. Hatchery Information

Gunnuk Creek Hatchery (GCH)	7
Hatchery Name	PNP Permit Number

II. *STATEMENT OF APPLICANT'S GOALS AND OBJECTIVES*

A. Describe the nature of the requested alteration, why you have decided to request it, and what you generally expect to accomplish by the expansion of your program, including answers to the following questions. Will the proposed project affect wild salmon stocks or existing fisheries? How will a significant contribution to common property fisheries be made? How will potential effects and interactions between introduced or enhanced stocks and wild stocks be assessed? What marking and recovery studies are being proposed that will allow the project to be evaluated? What are the potential benefits to fisheries or wild stocks from the proposed project? Has this project been discussed with the department's area or regional management biologists? (Attach additional pages as necessary.)

This is a request for a change in permitted combined maximum release numbers for our pink and chum program. This change can be seen in changes in wording from "and/or" to just "and". Currently our permitted egg capacity for pink and chum salmon is 65 million eggs with no more than 20 million pink salmon eggs. We would like it to read 65 million chum salmon eggs and 20 million pink salmon eggs. There are a couple of reasons we would like this change: 1) Primarily financial, KNFC has an extremely high debt load with the State of Alaska and needs to start to bring it down as quickly as possible. With the current high price for pinks and their relatively quick turn around, KNFC/GCH plans on maximizing our permitted pink capacity of 20 million pinks for as long as possible. We would like to be able to do this without

affecting our ability to rebuild our chum program to its permitted maximum of 65 million eggs. The two returns combined will not only help KNFC to meet its debt obligation and operating cost, but to allow our cost recovery to be spread out among species giving us diversification. The potential financial gain for KNFC would be approximately 20% or around 1.2 million dollars at current prices which is signifigant. 2) To release our permitted maximum of chum salmon. All three gear groups would like to see happen as a very important part of the overall allocation issue. The more fish that are released, more fish are available for traditional common property troll and seine fisheries, with a possible terminal fishery in the future. This is what we are working towards either through a collaborative aggreement with NSRAA or on our own. Our ability to achieve this is severally reduced if stuck between having to maximize pinks to bring in revenue and only being able to correspondingly take 45 million chum eggs.

The ultimate goal of this change is the ability for KNFC to maximize its revenue stream while getting more fish out to the fishery. A couple of the big commercial fish buyers have indicated they would like to have a dedicated chum and troll fishery in our area, if there is an increase in return numbers. If this were to occur it would be a great economic benefit for the community of Kake and trollers with the enhanced salmon allocation. With a larger sustainable return of chums there maybe increased interest by locals to utilize chums more for their subsistence needs.

There should not be any signifigant impact on wild salmon stocks over what would already occur, when either species is at our permitted capacity. The maximum permitted capacity for either species will remain the same. Both pink and chum salmon will be 100% thermally marked to ascertain where they are intercepted, interception rates and if they are straying to other systems. With an increase of the total number of fish that could be released from 65 million to 85 million there could a corresponding overall increase of the total number of fish that could stray. The overall percentage rate of natural straying should not increase for either species. Past poor returns of chum salmon during years of extreme drought and high water temps, gives hatchery staff concern of possible periodic straying during adverse environmental conditions. This poses a problem not only for the potential intergretion into wild stocks but for broodstock management as well. That is why Gunnuk Creek Hatchery will be collecting otoliths in the future from chum salmon carcasses in surrounding systems to try and determine if this is happening.

This PAR has been discussed with area management biologist. Hopefully all their questions have been answered within this PAR Document.

III. *IMPACTS ON EXISTING HATCHERY PROGRAM*

A. Present Permitted Capacity
(numbers of green eggs by species)

Pink	up to 20,000,000	Coho	250,000
Chum	up to 65 million	Chinook	
Sockeye		Other	

B. Capacity After Request
(numbers of green eggs by species)

Pink	20,000,00	Coho	250,000
Chum	65,000,000	Chinook	
Sockeye		Other	

C. Water Use

1. **List the total amount of water available and the source.**

5.0 CFS of water is available and permitted. Scource is a 10 inch HDPE pipe line Suppying water from the Kake Dam and water diverted from hatchery diversion dam at hatchery.

2. **List the amount of water presently being used.**

Currently up to 2 CFS of water is being used

3. **List the additional amount of water needed for this alteration.**

No additional water is needed as current 2cfs is enough to operate the building at its maximum potential of 100,000,000 eggs

IV. *HATCHERY DESIGN*

A. Please provide a detailed description of new facilities needed with this alteration (e.g., buildings, incubators, rearing space, piping, etc.). This description should represent a solid concept of the proposed hatchery changes/expansion. Drawings showing the layout of new structures should be attached when appropriate.

No new facilities required for this alteration, just a change in wording is needed.

V. *DECLARATION AND SIGNATURE*

I declare that the information given in this application is, to my knowledge, true, correct, and complete.

John R. Olyz
Name of Applicant

4 Feb 2011
Date Signed

Signature of Applicant